

ABSTRACT

An information compression apparatus which compresses information and uses a DCT frequency conversion algorithm includes a plurality of block registers, a correction level register, a first control mechanism, and a data correction mechanism. The plurality of block registers store block-based multi-bit quantized data converted from the information output from an quantization execution module. The correction level register presets a correction level indicating a degree of data correction. The first control mechanism controls so as to perform a scanning operation for scanning each block of the plurality of block registers and a search operation for searching a block having a valid coefficient. The data correction mechanism corrects data to modify the valid coefficient of the block searched by the first control mechanism to an invalid coefficient based on the correction level started in the correction level register.